CLAIMS

1. System for laterally retaining paper rolls of different width (14a, 14b) in a printer, comprising a lateral positioning element (18) and a seat (15) of said printer suitable for alternatively accommodating one or the other of said rolls of different width, said lateral positioning element (18) being suitable for assuming a first (34), or a second position (35), for retaining respectively a first narrow roll (14a), or a second broad roll (14b), said positioning element (18) being fastened to said seat (15) in each of said two positions (34, 35) by means of first fastening means (38, 39, 40), integral with said positioning element (18) and suitable for cooperating with second fastening means (41, 42, 43), belonging to said seat (15),

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characterized in that said first fastening means (38, 39, 40) are arranged displaced towards a first side (44) of said positioning element (18), in that said second fastening means (41, 42, 43) comprise parts (41a, 41b, 42a, 42b, 43a, 43b) complementary to said first fastening means (38, 39, 40), and in that said positioning element (18) is suitable for being rotated through 180° about a vertical axis of symmetry (AV) from said first position (34), in which said first narrow roll (14a) is retained by means of said first side (44) of said element (18), to said second position (35), in which said second broad roll (14b) is retained by a second side (45), opposite said first side (44), of said positioning element (18), and vice versa.

2. System for laterally retaining paper rolls of different width according to claim 1, **characterized in that** said positioning element (18) is made of a flat structure (30), having a predefined thickness "S" delimited by an external profile (32) such as to be adaptable to the internal shape of said seat (15), **in that** said

first fastening means comprise at least one body (38, 39, 40) projecting beyond said profile (32), having a thickness "S1" lesser than the thickness "S" of said element (18), and in that said complementary parts of said second fastening means (41, 42, 43) comprise at least one pair of slots arranged side by side (41a, 41b, 42a, 42b, 43a, 43b), and separated by a partitioning septum (47) fixed to said seat (15), wherein said at least one projecting body (38, 39, 40) is suitable for selectively engaging a first (41b, 42b, 43b) or a second (41a, 42a, 43a) of said slots (41a, 41b, 42a, 42b, 43a, 43b), when said positioning element (18) is placed respectively in said first (34) or in said second (35) position.

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- 3. System for laterally retaining paper rolls of different width according to claim 2, **characterized in that** said first fastening means (38, 39, 40) comprise at least three bodies (38, 39, 40) projecting beyond said profile (32), having a thickness "S1" lesser than the thickness "S" of said positioning element, and arranged displaced towards a first face (44) of said positioning element (18), **in that** said second fastening means (41, 42, 43) comprises at least three pairs of slots (41a, 41b; 42a, 42b; 43a, 43b), formed in said seat (15), each constituted by two slots arranged side by side and separated by a partitioning septum (47) fixed to the seat (15), **and in that** each of said projecting bodies is adapted for engaging a corresponding slot of each of said pairs of slots (41a, 41b; 42a, 42b; 43a, 43b) formed in said seat (15).
- 4. System for laterally retaining paper rolls of different width according to claim 3, **characterized in that** said at least three bodies (38, 39, 40) are flush with said first face (44) of said positioning element (18).
- 5. System for laterally retaining paper rolls of different width according to claim 3 or 4, **characterized in that**, in said first position (34), said bodies (38, 39, 40) respectively engage said slots (41b, 42b, 43b), arranged closest to said

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narrow roll (14a), and that in said second position (35), said bodies (38, 39, 40) respectively engage said slots (41b, 42b, 43b), arranged farthest from said broad roll (14b).

- 6. System for laterally retaining paper rolls of different width according to claim 1, **characterized in that** said positioning element is made of a flat structure (30), having a predefined thickness "S" delimited by an external profile (32), which adapts to the internal shape of said seat (15), **in that** said first fastening means comprise at least one body (38, 39, 40) projecting beyond said profile (32), having a thickness "S1" lesser than the thickness "S" of said element (18), **and in that** said complementary parts of said second fastening means define a single slot, in which said at least one projecting body (38, 39, 40) is adapted for cooperating with opposite sides of said single slot, when said element (18) is arranged respectively in said first (34) or in said second (35) position.
- 7. Lateral positioning element (18) of paper rolls of different widths (14a, 14b), arranged alternatively in a seat (15) of a printer (10), said lateral positioning element (18) being made of a flat structure (30) having a predefined thickness "S", delimited by an external profile (32), which adapts to the internal shape of the seat (15), said lateral positioning element (18) being suitable for assuming a first (34), or a second position (35), for respectively retaining a first narrow roll (14a), or a second broad roll (14b), said positioning element (18) being fastened to said seat (15) in each of said two positions (34, 35) by way of first fastening means (38, 39, 40), integral with said positioning element 18, and adapted for cooperating with corresponding second fastening means (41, 42, 43) belonging to said seat (15),

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characterized in that said first fastening means (38, 39, 40) comprise a plurality of bodies (38, 39, 40) projecting beyond said profile (32), having a thickness "S1" lesser than the thickness "S" of said element, and arranged displaced towards a first face (44) of said positioning element (18), each of said projecting bodies (38, 39, 40) being adapted for engaging, in each of said two positions (34, 35), a corresponding slot of a pair of slots (41a, 41b; 42a, 42b; 43a, 43b), of said second fastening means, set side by side and separated by a partitioning septum (47) fixed to the seat (15), so that said positioning element (18) is suitable for being moved from said first position (34), in which said first roll (14a) is retained by way of a first face (44) of said positioning element (18), to said second position (35), in which said second roll (14b) is retained by a second face (45), opposite said first face (44), of said positioning element (18), by means of a 180° rotation about a vertical axis of symmetry (AV), and vice versa.

- 8. Positioning element according to claim 7, characterized in that said plurality of bodies comprise at least three bodies (38, 39, 40) projecting beyond said profile (32) and arranged flush with said first face (44) of said positioning element (18).
 - **9.** Lateral positioning element (18), according to claim 7 or 8, **characterized in that,** in said first position (34), said bodies (38, 39, 40) respectively engage those, of said slots (41b, 42b, 43b), which are placed closest to said narrow roll (14a), and that in said second position (35), said bodies (38, 39, 40) respectively engage those, of said slots (41b, 42b, 43b), which are placed furthest from said broad roll (14b).
- 10. Lateral positioning element (18), according to claim 7 or 8 or 9, characterized in that two of said bodies (38, 40) are placed reciprocally

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opposite and symmetrical with respect to said axis (AV), whereas said third body (39) projects towards a bottom wall (22) of said seat (15) and is symmetrical with respect to said axis (AV).

- 11. Lateral positioning element (18), according to claim 9 or 10, characterized in that said projecting bodies (38, 39, 40) consist of flat tabs, having a side flush with said first face (44) of said positioning element (18).
- 12. Lateral positioning element (18), according to claim 9 or 10, characterized in that said projecting bodies (38, 39, 40) consist of cylindrical bodies.
- 13. Lateral positioning element (18), according to one of the claims from 7 to 12, **characterized in that** the thickness (s1) of said tabs (38, 39, 40) is equal to the difference (D) between the width (LS) of said broad roll (14b) and the width (LM) of said narrow roll (14a) and must be lesser than the thickness (S) of said element (18), said thickness (s1) also being equal to the width of each of said slots (41a, 41b; 42a, 42b; 43a, 43b).
 - 14. Lateral positioning element (18), according to one of the claims from 7 to 13, characterized in that said partitioning septum (47) has a width (2b) equal to twice the distance (b) between a median plane (M) of said partitioning septum (47) and said second face (45) of said element (18), adjacent to a side (26') of said broad roll (14b), and that said median plane (M) comprises said axis of symmetry (AV).
 - 15. Printer for paper rolls of different width, comprising a seat (15) suitable for alternatively accommodating a first narrow roll (14a), or a second broad roll (14b), said seat (15) being delimited by a first lateral fixed wall (20), of reference for said rolls, and by a movable lateral positioning element (18), opposite said first wall (20), said lateral positioning element (18) consisting of a flat structure

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(30) having a predefined thickness "S", delimited by an external profile (32), which adapts to the internal shape of the seat (15), said lateral positioning element (18) being suitable for assuming a first (34), or a second position (35), for respectively retaining said narrow roll (14a), or said broad roll (14b), said positioning element (18) being secured to said seat (15), in each of said two positions (34, 35), by way of first fastening means (38, 39, 40), integral with said positioning element 18, and suitable for cooperating with corresponding second fastening means (41, 42, 43) belonging to said seat (15),

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characterized in that said first fastening means (38, 39, 40) comprise at least three tabs (38, 39, 40), projecting beyond said profile (32) and arranged displaced towards a first face (44) of said element (18), and in that said second fastening means (41, 42, 43) comprise at least three corresponding pairs of slots (41a, 41b; 42a, 42b; 43a, 43b), the slots of each pair being arranged side by side and separated by a partitioning septum (47), so that said positioning element (18) is suitable for being rotated through 180° about a vertical axis of symmetry (AV) from said position (34), in which said first roll (14a) is retained by way of a first face (44) of said element (18), to said position (35), in which said second roll (14b) is retained by a second face (45) of said element (18).